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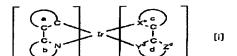
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(54) ORGANIC IRIDIUM COMPLEX AND ORGANIC **ELECTROLUMINESCENT ELEMENT**

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a new mixed ligand-having organic iridium complex giving a luminescent element having improved color purity in the emission of light of long wavelength, high luminescent efficiency and a long life and provide an organic electroluminescent element produced by using the organic iridium complex.

SOLUTION: The mixed ligand-having organic iridium complex is expressed by general formula (i), e.g. formula (ii). The organic electroluminescent element has a luminescent layer sandwiched between an anode and a cathode. The luminescent layer contains the mixed ligand-type organic iridium complex.



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CPY - MITU

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- M4 [01] A677 A923 D013 D300 F012 F015 F019 F431 F499 G010 G011 G019 G100 M1 M113 M116 M119 M121 M123 M129 M144 M280 M320 M411 M511 M523 M533 M540 M781 M904 M905 Q130 Q454 Q613 R043 W002 W030 W335; RADDJ5-K RADDJ5-U
 - [02] A677 A923 D010 D019 D020 D029 D040 D049 F010 F019 F020 F029 G001 G002 G010 G011 G012 G013 G019 G020 G021 G022 G029 G040 G100 G111 G112 G221 G299 M1 M113 M115 M116 M119 M121 M122 M123 M124 M125 M126 M129 M144 M280 M320 M411 M511 M512 M520 M521 M522 M523 M531 M532 M533 M540 M781 M904 M905 Q130 Q454 Q613 R043 W002 W030 W335; 0123-73301-K 0123-73301-U
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XIC - C07F-015/00; C09K-011/06; H05B-033/14; H05B-033/22

XP - N2004-206410

AB - JP2003192691 NOVELTY - The novel mixed ligand with organic iridium complex.

- USE - In organic electroluminescent element.

 ADVANTAGE - The mixed ligand with organic iridium complex provides electroluminescent element with improved color purity in the emission of light of long wavelength, luminescent efficiency and shelf life.
(Dwq.0/0)

CN - RADDJ5-K RADDJ5-U 0123-73301-K 0123-73301-U

IW - MIX LIGAND ORGANIC IRIDIUM COMPLEX ORGANIC ELECTROLUMINESCENT ELEMENT NEW

IKW - MIX LIGAND ORGANIC IRIDIUM COMPLEX ORGANIC ELECTROLUMINESCENT

ELEMENT

NEW

NC - 001

OPD - 2001-12-26

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PAW - (MITU) MITSUBISHI CHEM CORP

TI - Mixed ligand with organic indium complex for use in organic electroluminescent element, is new

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